

# Notice of Allowability

Application No.

10/518,687

Examiner

Nguyen T. Ha

Applicant(s)

KOBAYASHI ET AL.

Art Unit

2831

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/27/2007.
2. ☒ The allowed claim(s) is/are 1-4 and 6.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

NGUYEN T. HA  
PRIMARY EXAMINER

## **DETAILED ACTION**

### **Introduction**

1. The examiner acknowledges the applicant's submission of the amendment dated 8/27/2007. At this point, claim 5 has been canceled. Thus, claims 1-4, and 6 are pending in the instant application.

### ***Allowable Subject Matter***

2. Claims 1-4, and 6 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1-4, the allowability in combination with the other claimed feature does not teach in the prior art alone or in combination the limitations of a solid electrolytic capacitor comprising a conductive metal substrate whose one end portion region is bonded to the other end portion region of the foil-like valve metal substrate, and a cathode electrode formed by sequentially laminating at least a solid high molecular polymer electrolyte layer and a conductive layer on the surface of the foil-like valve metal substrate, and a cathode lead electrode being drawn out from the cathode electrode in a direction perpendicular to one major surface of the foil-like valve metal substrate.

With respect to claim 6, the allowability in combination with the other claimed feature does not teach in the prior art alone or in combination the limitation of a method for manufacturing a solid electrolytic capacitor comprising the steps of: bonding one end portion region of a valve metal body to one of two opposite end portion regions of a foil-like valve metal substrate formed with an insulating oxide film on the surface thereof so

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that electric connection can be established between the valve metals, thereby forming an electrode body for a solid electrolytic capacitor component, and mounting the at least two solid electrolytic capacitor components on a lead frame, bonding one end portion region of an anode lead portion formed in the lead frame in advance to the other end portion of the valve metal body.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### **Citation Relevant of Prior Art**

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Hirota et al. (US 6,985,353) disclose anode body for solid electrolytic capacitor and solid electrolytic capacitor using the same.

b. Monden et al. (US 6,783,703) disclose solid electrolytic capacitor and method for producing the same.

c. Yamaha et al. (US 6,508,846) disclose process and apparatus for fabricating solid electrolytic capacitors.

d. Shimada et al. (US 6,504,705) disclose electrolytic capacitor, circuit board containing electrolytic capacitor, and method for producing the same.

e. Uehara et al. (US 6,042,740) disclose composition for forming electrolyte for solid electrolytic capacitor.

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T. Ha whose telephone number is 571-272-1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

NGUYEN T. HA

PRIMARY EXAMINER

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September 29, 2007